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				Application Number	Not Yet Assigned		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USO AS MARRY Shoets AS DOCOSSARY)					Filing Date	On Even Date Herewith	
					First Named Inventor	K. ISHIBASHI, et al.	
					Art Unit	Not Yet Assigned	
					Examiner Name	Not Yet Assigned	
Sheet	1	of		1	Attorney Docket Number	520.39604CX1	

U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
(4)		US- 5,465,231	11-1995	Ohsaki		
40		US- 5,457,335	10-1995	Kuroda et al.		
41)		US- 5,163,023	11-1992	Ferris et al.		
51)		US- 5,089,433	02-1992	Anand et al.		
41		US- 4,794,597	12-1988	Ooba et al.		
(N)		US- 6,115,293	09-2000	M, Yamashita		
		US-				
		US-				

FOREIGN PATENT DOCUMENTS						
	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	No.1	Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			T°
<u> </u>		JP 7287994	10-1995			1
(J)		JP 785692	03-1995			1
SP		JP 60201599	10-1985	,		
5/1		JP 61123100	06-1986			T-
		05298898	11-1993			
SN		JP 5114300	05-1993			
40		JP 10149694	06-1998			
(h)		JP 5314789	11-1993			
(d)		1197652	01-1999			

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
SP		Takai et al., "A 250Mv/s/pin 1Gb Double Data Rate SDRAM with a Bi-Directional Delay and an Inter-Bank Shared Redundancy Scheme", 1999 IEEE Int'l Solid-State Circuits Conference, pp. 418-419			
		·			

Examiner Signature	Allellin_	Date Considered	11/1/04

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